

HAMILTON COUNTY: Key Data Points

- Hamilton county experiences a higher total birth rate than the state of Indiana overall, 15.7 versus 14.0 respectively.
- 21 of the 22 infant deaths in the county were neonatal deaths
- Hamilton County has a significantly lower percentage of mothers smoking during pregnancy compared to the state overall, 5.4% versus 18.5% respectively.
- A significantly higher percentage of white mothers are using alcohol during pregnancy compared to the state overall, 1.1% versus 0.6% respectively.
- County has significantly lower percentage of unmarried parents compared to the state overall, 10.6% versus 37% respectively.
- The county has a significantly higher percentage of women utilizing prenatal care during the first trimester compared to the state overall, 87.8% versus 80.6% respectively.
- of pregnancy as well as mothers using alcohol during pregnancy
- The county has a much higher percentage of women breastfeeding on discharge than the state overall (81.9% vs. 63.2%, respectively)
- Hamilton county observed 30 accidental deaths (14 of which were motor vehicle), 23 suicidal deaths and 3 homicide

Note: All figures relate to 2004 data from the Indiana State Department of Health, unless otherwise specified

Figure 1: Births

	Total		White		Black		Other	
	Number	Crude Rate*	Number	Crude Rate*	Number	Crude Rate*	Number	Crude Rate*
Hamilton County	3,649	15.7	3,374	15.8	91	13.7	184	16.4
INDIANA	87,125	14.0	75,680	13.7	9,582	17.5	1,863	11.7

* births per 1,000 population; U = unstable rate, based on fewer than 20 births

Figure 2: Infant Mortality

		NUMBER				RATE*		
COUNTY OF RESIDENCE	REPORTED RACE/ ETHNICITY	Live Births	Infant Deaths (< 1 yr)	Neonatal Deaths (< 28 days)	Post Neonatal Deaths (28-364 days)	Infant Deaths (< 1 yr)	Neonatal Deaths (< 28 days)	Post Neonatal Deaths (28-364 days)
HAMILTON	All Races	3,649	22	21	1	6.0	5.8	**
	White	3,374	18	17	1	**	**	**
	Black	91	3	3	0	**	**	0.0
	Other	184	1	1	0	**	**	0.0
	Hispanic	111	0	0	0	0.0	0.0	0.0
INDIANA	All Races	87,125	702	472	230	8.1	5.4	2.6
	White	75,680	522	354	168	6.9	4.7	2.2
	Black	9,582	164	105	59	17.1	11.0	6.2
	Other	1,863	16	13	3	**	**	**
	Hispanic	7,237	65	50	15	9.0	6.9	**

*rate per 1,000 live births **Numerator is less than 20 and the rate is unstable

Figure 3: Outcome Indicators of Mother, by Race

		Birth Weight				During Pregnancy		
HAMILTON COUNTY	Total Births	% Low (< 2500 grams)	% Very Low (< 1500 grams)	% Preterm †	% PNC 1st Trimester ‡	% Alcohol	% Smoked	% Unmarried Parents
White	3,374	6.3	1.2	9.7	89.6(S)	0.7	5.7(S)	13.0(S)
Black	91	11.0	2.2	13.2	83.5	0.0	3.3	23.1(S)
All Races	3,649	6.4(S)	1.2	9.8	89.4(S)	0.8	5.4(S)	12.8(S)

		Birth Weight				During Pregnancy		
INDIANA	Total Births	% Low (< 2500 grams)	% Very Low (< 1500 grams)	% Preterm †	% PNC 1st Trimester ‡	% Alcohol	% Smoked	% Unmarried Parents
All Races	87,125	8.1	1.5	10.2	79.3	0.6	18.0	38.8
White	75,680	7.4	1.3	9.9	80.8	0.6	18.8	34.4
Black	9,582	13.7	3.0	13.9	67.1	0.9	14.4	77.9

† Preterm: less than 37 weeks gestation

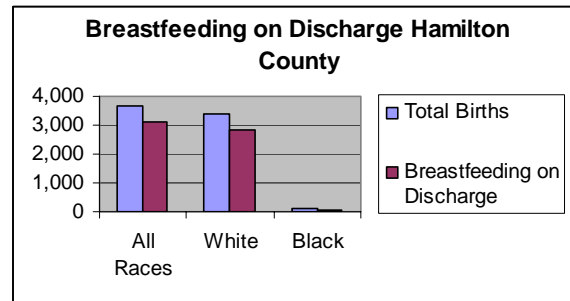
‡ PNC: Prenatal Care

'S' Significantly different than the state percent

*** Outcomes for this county are suppressed due to 20 or fewer total births

Figure 4: Breastfeeding

Hamilton County	<i>All Races</i>	<i>White</i>	<i>Black</i>
Total Births	3,649	3,374	91
Breastfeeding on Discharge	3,102	2,861	79
% Breastfeeding on Discharge	85.0	84.8	86.8



INDIANA	<i>All Races</i>	<i>White</i>	<i>Black</i>
Total Births	87,125	75,680	9,582
Breastfeeding on Discharge	55,556	49,825	4,269
% Breastfeeding on Discharge	63.8	65.8	44.6

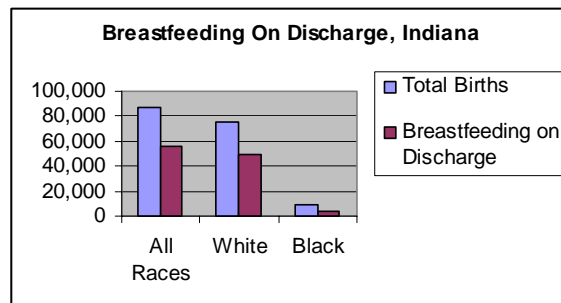


Figure 5: HIV/AIDS

	Total # of AIDS cases reported since 1982	Total # of HIV cases reported since 1985
HAMILTON COUNTY INDIANA	95 7,989	58 3,945

*numbers current through June 2006

Figure 6: Nutritional Risk Factors by Status,
Indiana WIC Clinics, Quarter Ending 09/30/2004

Local Agency: Indiana Health Centers, Inc. Counties Included: Howard, Cass, Grant, Hamilton, Tipton, Clinton							
Risk Factor or Status	Children 1-5 years of Age					Total	% within Agency
	White	Black	Hispanic	Asian	Other		
Overweight	112	17	71	0	4	204	4.6%
At Risk for becoming Overweight	151	23	64	0	6	244	5.5%
Local Agency: State Wide Counties Included: All							
Risk Factor or Status	Children 1-5 years of Age					Total	% within Agency
	White	Black	Hispanic	Asian	Other		
Overweight	1,732	445	800	12	97	3,086	4.8%
At Risk for becoming Overweight	2,023	485	639	11	124	3,282	5.1%

Priority Benchmarks (Hamilton & Indiana)			
Demographics: Percentage of population enrolled in Medicaid, Percentage of population enrolled in Food Stamps.		Hamilton	Indiana
1	% of Population enrolled in Medicaid as of June 2003	3.5	12.4
2	% of Population in Food Stamps Program, 2005	1.9	9.0
Priority #1 (pregnancy outcomes): Average Infant Mortality Rate, Average Fetal death Rate		Hamilton	Indiana
1	Av Total Infant Death Rate (1995-2004)	6.3	7.9
2	Average Fetal Death Rate (1995-2004)	4.9	6.6
Priority #2 (reduce barriers): Health Professional Shortage Areas, Percentage of women with prenatal care in first trimester		Hamilton	Indiana
1	Scores for Primary Care Health Professional Shortage Areas (HPSAs) (2005)	No Score	NA
2	% PNC 1st Trimester†, 2004	89.4	79.3
Priority #4 (environmental): Prevalence of asthma, Childhood lead poisoning		Hamilton	Indiana
1	Prevalence of Asthma in a Medicaid Cohort of Children age 0-17 years, 2003	9.8	10.4
2	%Estimated Lead Blood Levels (%EBLL) for Children under 6 years old FY 2005-2006	2.42	2.42
Priority #5 (tobacco): Percentage of mothers who smoked during pregnancy, Percentage of Adult Smoking		Hamilton	Indiana
1	% of mothers Smoked During Pregnancy, 2004	5.4	18.0
2	% of Adult Smoking in 2003	21.4	29.3
Priority #7 (adolescent risk behaviors): Adolescent deaths due to motor vehicle accidents, Chlamydia rates (ages 15-24).		Hamilton	Indiana
1	Number of Adolescent (15-24) deaths due to Motor vehicle accidents (2002-2004)	20	771
2	Chlamydia rates per 100,000 county specific population (15-24yrs of Age)	427.17	1602.35
Priority #8 (obesity): Obesity in pregnant women		Hamilton	Indiana
1	Number of Obese Pregnant Women In Indiana, 2004	21	2,827
Priority #9 (domestic violence, childhood injury): Child deaths due to Injury, Child abuse and neglect rates		Hamilton	Indiana
1	Child deaths due to Injury 1-14yrs (2002-2004)	1	279
2	Child Abuse and Neglect per 1,000 Population under age 18, 2004	3.3	13.5
Priority #10 (To improve racial and ethnic disparities in women of childbearing age, mothers, and children's health outcomes): Percentage of Hispanic Population of any Race, LBW Disparity Ratio		Hamilton	Indiana
1	% of Hispanic Population of any Race, 2005	2.5	4.5
2	Low Birth Weight Disparity Ratio (B/W) (1995-2004)	0.99	1.88
Source: Data Analysis Team, ISDH; Health Resources and Service Administration; Indiana Prevention Resource Center; Data analysis team, Office of Medicaid Policy & Planning. Notes: 1. NS= Not Stable 2. NA = Not Available 3. Infant Mortality rate and Fetal Death rate is for 1000 live births. 4. Low Birth Weight: Birth Weight Less than 2,500grams. 5. HPSA Score ranges 1 – 25. The higher the score, the higher the need. 6. EBLL: Ten (10) micrograms of lead per deciliter of whole blood for one venous test;			

%EBLL is based on screening rate of 27% Statewide, unduplicated kids 7. Obesity in Pregnant Women determined by "Concurrent Illness Obesity" checkbox on the birth certificate 8. PNC percentages are calculated using total births in each County.